

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP03/13175

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.C1<sup>7</sup> H05K9/00, F16F15/08, C08J9/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
Int.C1<sup>7</sup> H05K9/00, F16F15/08, C08J9/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 62-76113 A (Nitta Corp.), 08 April, 1987 (08.04.87), Page 1, lower left column, lines 11 to 15; page 2, upper left column, lines 10 to 16; page 2, upper right column, line 18 to lower left column, line 6; Fig. 1 (Family: none)	1-9
Y	JP 7-162185 A (Kitakawa Kogyo Kabushiki Kaisha), 23 June, 1995 (23.06.95), Par. Nos. [0017], [0031] (Family: none)	1-9

Further documents are listed in the continuation of Box C.

See patent family annex.

“A”	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	“T”	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
“E”	earlier document but published on or after the international filing date	“X”	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
“L”	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	“Y”	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
“O”	document referring to an oral disclosure, use, exhibition or other means	“&”	document member of the same patent family
“P”	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search  
08 January, 2004 (08.01.04)

Date of mailing of the international search report  
20 January, 2004 (20.01.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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International application No.  
PCT/JP03/13175

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 61-176639 A (Sanyo Chemical Industries, Ltd.), 08 August, 1986 (08.08.86), Page 4, lower right column, lines 9 to 11; page 5, upper right column, lines 4 to 9; page 5, lower right column, line 9 to page 6, upper left column, line 5 (Family: none)	7-9
A	JP 2000-261107 A (Tomoegawa Paper Co., Ltd.), 22 September, 2000 (22.09.00), Par. Nos. [0017], [0031]; Figs. 1, 2 (Family: none)	1, 4-6
A	JP 5-226876 A (Kitakawa Kogyo Kabushiki Kaisha), 03 September, 1993 (03.09.93), Par. No. [0016] (Family: none)	1
E, A	JP 2002-327082 A (Inoac Corp.), 15 November, 2002 (15.11.02), Par. Nos. [0013], [0018]; Fig. 1 (Family: none)	1
E, A	JP 2003-347786 A (Mitsubishi Cable Industries, Ltd.), 05 December, 2003 (05.12.03), Full text (Family: none)	1
A	JP 2000-72905 A (Kyocera Corp.), 07 March, 2000 (07.03.00), Full text; Figs. 1, 2 (Family: none)	1
A	JP 2001-126539 A (Japan Gore-Tex Inc.), 11 May, 2001 (11.05.01), Full text; Figs. 1 to 6 (Family: none)	1
A	JP 2001-85888 A (3M Innovative Properties Co.), 30 March, 2001 (30.03.01), Full text; Figs. 1 to 3 (Family: none)	1
A	JP 4-53837 A (Hayakawa Gomu Kabushiki Kaisha), 21 February, 1992 (21.02.92), Full text; Figs. 1 to 7 (Family: none)	1
A	JP 63-149131 A (Kanto Reza Kabushiki Kaisha), 21 June, 1988 (21.06.88), Full text; Figs. 1, 2 (Family: none)	1

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